

## CLAIMS

1. A television system comprising a main television set and a sub-television set, characterized in that

the main television set comprises a plurality of tuners; a selection circuit for selecting, out of receiving signals received by the plurality of tuners, the receiving signal for broadcasting on the main television set as well as selecting the receiving signal for broadcasting on the sub-television set; a first signal processing circuit for processing the receiving signal for broadcasting on the main television set selected by the selection circuit, to generate a video signal and an audio signal for broadcasting on the main television set; a first wireless transmission unit for wireless-transmitting to the sub-television set the receiving signal for broadcasting on the sub-television set selected by the selection circuit; and first control means for controlling the plurality of tuners, the selection circuit, and the first wireless transmission unit, and

the sub-television set comprises a second wireless transmission unit for receiving the receiving signal for broadcasting on the sub-television set transmitted from the first wireless transmission unit in the main television set; a second signal processing circuit for processing the receiving signal for broadcasting on the sub-television set

received by the second wireless transmission unit, to generate a video signal and an audio signal for broadcasting on the sub-television set; and a second control unit for controlling the second wireless transmission unit.

2. The television system according to claim 1, characterized in that

the first wireless transmission unit and the second wireless transmission unit can bidirectionally communicate various types of commands to each other.

3. The television system according to claim 1, characterized in that

each of the tuners is a digital tuner for receiving digital broadcasting, a digital AV stream outputted from each of the digital tuners is inputted to the selection circuit, and the first signal processing circuit comprises a decoder for decoding the receiving signal for broadcasting on the main television set selected by the selection circuit.

4. The television system according to claim 1, characterized in that

the plurality of tuners comprise digital tuners for receiving digital broadcasting and analog tuners for receiving analog broadcasting,

a digital AV stream outputted from each of the digital tuners is inputted to the selection circuit,

an analog video signal and an analog audio signal which

are outputted from the analog tuner are encoded after being respectively converted into digital signals, and are further multiplexed to be converted into an AV stream, which is then inputted to the selection circuit, and

the first signal processing circuit comprises a decoder for decoding the receiving signal for broadcasting on the main television set selected by the selection circuit.

5. The television system according to claim 4, characterized in that

there is provided a switch for selecting either the video signal and the audio signal which are generated by the first signal processing circuit or the video signal and the audio signal which are outputted from the analog tuner and have not been encoded and outputting the selected video signal and audio signal,

the switch is so controlled that when the receiving signal for broadcasting on the main television set selected by the selection circuit is the AV stream generated on the basis of the output of the analog tuner, the video signal and the audio signal which are outputted from the analog tuner and have not been encoded are selected, and

the switch is so controlled that when the receiving signal for broadcasting on the main television set selected by the selection circuit is an AV stream outputted from the digital tuner, the video signal and the audio signal which are

generated by the first signal processing circuit are selected.